

Table H. - Engineering Index Properties

Scott County, Virginia

Absence of an entry indicates that the data were not estimated.

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
1D: Bailegap	0-3	Loam	CL CL-ML ML SC-SM	A-4	0	0-8	90-100	85-100	70-95	50-75	16-30	3-11
	3-16	Gravelly Sandy Loam Loam	CL CL-ML ML SC SC-SM	A-1 A-2-4 A-4	0	0-7	65-100	55-100	35-95	15-75	12-30	1-11
	16-41	Sandy Clay Loam Gravelly Loam Clay Loam	CL SC	A-2-4 A-6	0	0-7	65-95	55-90	45-90	20-75	23-39	7-16
	41-45	Bedrock	---	---	---	---	---	---	---	---	---	---
Carbo	---				---	---	---	---	---	---	---	---
2E: Bailegap	0-3	Loam	CL CL-ML ML SC-SM	A-4	0	0-8	90-100	85-100	70-95	50-75	16-30	3-11
	3-16	Loam Gravelly Sandy Loam	CL CL-ML ML SC SC-SM	A-1 A-2-4 A-4	0	0-7	65-100	55-100	35-95	15-75	12-30	1-11
	16-41	Clay Loam Sandy Clay Loam Gravelly Loam	CL SC	A-2-4 A-6	0	0-7	65-95	55-90	45-90	20-75	23-39	7-16
	41-45	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
2E:												
Gilpin	0-3	Silt Loam	CL	A-4	0	0-1	80-95	75-95	70-90	55-80	21-31	6-11
			CL-ML									
	3-7	Silt Loam	CL	A-4	0	0-1	80-95	75-95	65-90	45-80	21-31	6-11
		Loam	CL-ML									
	7-31	Silty Clay Loam	CL	A-4	0	1-2	65-92	60-90	50-90	35-85	23-39	7-16
		Channery Loam	SC	A-6								
		Channery Silt Loam										
	31-35	Bedrock	---	---	---	---	---	---	---	---	---	---
Oriskany	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Tumbling	---				---	---	---	---	---	---	---	---
Wallen	---				---	---	---	---	---	---	---	---
3E:												

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
3E: Berks	0-6	Channery Silt Loam	CL CL-ML ML SC SC-SM	A-4	0	3-5	65-80	55-75	50-75	40-65	16-31	3-11
	6-22	Channery Silty Clay Loam Extremely Channery Loam Very Channery Silt Loam	CL CL-ML GC GC-GM SC	A-1 A-2-4 A-4 A-6	0	3-8	45-80	25-75	20-75	15-70	16-36	3-14
	22-32	Very Channery Silty Clay Loam Very Channery Silt Loam Extremely Channery Loam	GC GC-GM SC	A-1 A-2-4 A-4 A-6	0	5-8	45-60	25-50	20-50	15-45	16-36	3-14
	32-38	Extremely Channery Loam Extremely Channery Silt Loam Very Channery Silt Loam	GC GC-GM GM	A-1 A-2-4	0	7-9	35-50	15-35	15-35	10-30	12-25	1-8
	38-42	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
3E: Chiswell	0-2	Very Channery Silt Loam	GC GC-GM	A-1 A-2-4 A-4	0	5-7	45-60	30-50	25-50	20-45	16-30	3-11
	2-7	Channery Silt Loam Extremely Channery Loam Very Channery Silt Loam	CL CL-ML GC GC-GM GW-GC SC SC-SM	A-1 A-2-4 A-4	0	4-8	35-75	15-70	10-65	10-60	16-30	3-11
	7-12	Very Channery Silt Loam Extremely Channery Loam	GC GC-GM GM GW-GC	A-1 A-2-4	0	6-9	30-50	6-40	5-40	5-35	12-30	1-11
	12-16	Bedrock	---	---	---	---	---	---	---	---	---	---
Carbo	---				---	---	---	---	---	---	---	---
Groseclose	---				---	---	---	---	---	---	---	---
Holly	0-4	Loam	CL CL-ML	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
	4-34	Silt Loam Silty Clay Loam Loam	CL	A-4 A-6	0	0	80-100	75-100	65-100	45-95	23-39	7-16
	34-62	Silty Clay Loam Loam Gravelly Sand	CL CL-ML ML SC SC-SM SP-SC	A-1 A-2-4 A-4	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
Opequon	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
3E:												
Rock outcrop	---				---	---	---	---	---	---	---	---
Shelocta	---				---	---	---	---	---	---	---	---
3F:												
Berks	0-6	Channery Silt Loam	CL	A-4	0	3-5	65-80	55-75	50-75	40-65	16-31	3-11
			CL-ML									
			ML									
			SC									
			SC-SM									
	6-22	Extremely Channery Loam	CL	A-1	0	3-8	45-80	25-75	20-75	15-70	16-36	3-14
		Channery Silty Clay Loam	CL-ML	A-2-4								
		Very Channery Silt Loam	GC	A-4								
			GC-GM	A-6								
			SC									
	22-32	Very Channery Silty Clay Loam	GC	A-1	0	5-8	45-60	25-50	20-50	15-45	16-36	3-14
		Extremely Channery Loam	GC-GM	A-2-4								
		Very Channery Silt Loam	SC	A-4								
				A-6								
	32-38	Extremely Channery Loam	GC	A-1	0	7-9	35-50	15-35	15-35	10-30	12-25	1-8
		Very Channery Silt Loam	GC-GM	A-2-4								
		Extremely Channery Silt Loam	GM									
	38-42	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
3F:												
Chiswell	0-2	Very Channery Silt Loam	GC	A-1	0	5-7	45-60	30-50	25-50	20-45	16-30	3-11
			GC-GM	A-2-4								
	2-7	Very Channery Silt Loam	CL	A-1	0	4-8	35-75	15-70	10-65	10-60	16-30	3-11
		Extremely Channery Loam	CL-ML	A-2-4								
		Channery Silt Loam	GC									
			GC-GM									
			GW-GC									
			SC									
			SC-SM									
	7-12	Very Channery Silt Loam	GC	A-1	0	6-9	30-50	6-40	5-40	5-35	12-30	1-11
		Extremely Channery Loam	GC-GM	A-2-4								
			GW-GC	A-2-6								
	12-16	Bedrock	---	---	---	---	---	---	---	---	---	---
Carbo	---				---	---	---	---	---	---	---	---
Groseclose	---				---	---	---	---	---	---	---	---
Holly	0-4	Loam	CL	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
			CL-ML									
	4-34	Silty Clay Loam	CL	A-4	0	0	80-100	75-100	65-100	45-95	23-39	7-16
		Loam		A-6								
		Silt Loam										
	34-62	Silty Clay Loam	CL	A-1	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
		Loam	CL-ML	A-2-4								
		Gravelly Sand	ML	A-4								
			SC									
			SC-SM									
			SP-SC									
Opequon	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
3F:												
Rock outcrop	---				---	---	---	---	---	---	---	---
Shelocta	---				---	---	---	---	---	---	---	---
4D:												
Berks	0-6	Channery Silt Loam	CL	A-4	0	3-5	65-80	55-75	50-75	40-65	16-31	3-11
			CL-ML									
			ML									
			SC									
			SC-SM									
	6-22	Channery Silty Clay Loam	CL	A-1	0	3-8	45-80	25-75	20-75	15-70	16-36	3-14
		Extremely Channery Loam	CL-ML	A-2-4								
		Very Channery Silt Loam	GC	A-4								
			GC-GM	A-6								
			SC									
	22-32	Extremely Channery Loam	GC	A-1	0	5-8	45-60	25-50	20-50	15-45	16-36	3-14
		Very Channery Silty Clay Loam	GC-GM	A-2-4								
		Very Channery Silt Loam	SC	A-4								
				A-6								
	32-38	Extremely Channery Loam	GC	A-1	0	7-9	35-50	15-35	15-35	10-30	12-25	1-8
		Very Channery Silt Loam	GC-GM	A-2-4								
		Extremely Channery Silt Loam	GM									
	38-42	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
4D:												
Groseclose	0-10	Silty Clay Loam	CL	A-6 A-7-6	0	0	95-100	90-100	85-100	80-95	31-43	11-18
	10-33	Silty Clay Loam Clay	CH CL MH ML	A-7	0	0	95-100	90-100	85-100	70-95	39-61	16-28
	33-62	Channery Silt Loam Silty Clay Loam	CL CL-ML SC SC-SM	A-4 A-6 A-7-6	0	0	65-100	55-100	50-100	35-95	21-43	6-18
Carbo	---				---	---	---	---	---	---	---	---
Opequon	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---

5D:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
5D: Berks	0-6	Channery Silt Loam	CL CL-ML ML SC SC-SM	A-4	0	3-5	65-80	55-75	50-75	40-65	16-31	3-11
	6-22	Extremely Channery Loam Channery Silty Clay Loam Very Channery Silt Loam	CL CL-ML GC GC-GM SC	A-1 A-2-4 A-4 A-6	0	3-8	45-80	25-75	20-75	15-70	16-36	3-14
	22-32	Very Channery Silt Loam Extremely Channery Loam Very Channery Silty Clay Loam	GC GC-GM SC	A-1 A-2-4 A-4 A-6	0	5-8	45-60	25-50	20-50	15-45	16-36	3-14
	32-38	Very Channery Silt Loam Extremely Channery Loam Extremely Channery Silt Loam	GC GC-GM GM	A-1 A-2-4	0	7-9	35-50	15-35	15-35	10-30	12-25	1-8
	38-42	Bedrock	---	---	---	---	---	---	---	---	---	---
Weikert	0-2	Channery Silt Loam	CL CL-ML SC SC-SM	A-4	0	1-3	65-80	50-75	45-75	35-65	21-31	6-11
	2-8	Very Channery Silt Loam	GC GC-GM	A-2-4	0	3-5	45-60	25-50	25-45	20-40	21-31	6-11
	8-14	Extremely Channery Silt Loam	GC GC-GM GW-GC	A-2-4	0	4-6	30-40	9-25	8-25	5-20	21-31	6-11
	14-18	Bedrock	---	---	---	---	---	---	---	---	---	---
Nicelytown	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
5D:												
Rough	---				---	---	---	---	---	---	---	---
Shelocta	---				---	---	---	---	---	---	---	---
Tumbling	---				---	---	---	---	---	---	---	---
5E:												
Berks	0-6	Channery Silt Loam	CL	A-4	0	3-5	65-80	55-75	50-75	40-65	16-31	3-11
			CL-ML									
			ML									
			SC									
			SC-SM									
	6-22	Very Channery Silt Loam	CL	A-1	0	3-8	45-80	25-75	20-75	15-70	16-36	3-14
		Channery Silty Clay Loam	CL-ML	A-2-4								
		Extremely Channery Loam	GC	A-4								
			GC-GM	A-6								
			SC									
	22-32	Very Channery Silt Loam	GC	A-1	0	5-8	45-60	25-50	20-50	15-45	16-36	3-14
		Very Channery Silty Clay Loam	GC-GM	A-2-4								
		Extremely Channery Loam	SC	A-4								
				A-6								
	32-38	Extremely Channery Silt Loam	GC	A-1	0	7-9	35-50	15-35	15-35	10-30	12-25	1-8
		Very Channery Silt Loam	GC-GM	A-2-4								
		Extremely Channery Loam	GM									
	38-42	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
5E:												
Weikert	0-2	Channery Silt Loam	CL CL-ML SC SC-SM	A-4	0	1-3	65-80	50-75	45-75	35-65	21-31	6-11
	2-8	Very Channery Silt Loam	GC GC-GM	A-2-4	0	3-5	45-60	25-50	25-45	20-40	21-31	6-11
	8-14	Extremely Channery Silt Loam	GC GC-GM GW-GC	A-2-4	0	4-6	30-40	9-25	8-25	5-20	21-31	6-11
	14-18	Bedrock	---	---	---	---	---	---	---	---	---	---
Holly	0-4	Loam	CL CL-ML	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
	4-34	Silty Clay Loam Silt Loam Loam	CL	A-4 A-6	0	0	80-100	75-100	65-100	45-95	23-39	7-16
	34-62	Loam Gravelly Sand Silty Clay Loam	CL CL-ML ML SC SC-SM SP-SC	A-1 A-2-4 A-4	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
Nicelytown	---				---	---	---	---	---	---	---	---
Rough	---				---	---	---	---	---	---	---	---
Shelocta	---				---	---	---	---	---	---	---	---
Tumbling	---				---	---	---	---	---	---	---	---

5F:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
5F: Berks	0-6	Channery Silt Loam	CL CL-ML ML SC SC-SM	A-4	0	3-5	65-80	55-75	50-75	40-65	16-31	3-11
	6-22	Channery Silty Clay Loam Extremely Channery Loam Very Channery Silt Loam	CL CL-ML GC GC-GM SC	A-1 A-2-4 A-4 A-6	0	3-8	45-80	25-75	20-75	15-70	16-36	3-14
	22-32	Very Channery Silty Clay Loam Very Channery Silt Loam Extremely Channery Loam	GC GC-GM SC	A-1 A-2-4 A-4 A-6	0	5-8	45-60	25-50	20-50	15-45	16-36	3-14
	32-38	Extremely Channery Silt Loam Extremely Channery Loam Very Channery Silt Loam	GC GC-GM GM	A-1 A-2-4	0	7-9	35-50	15-35	15-35	10-30	12-25	1-8
	38-42	Bedrock	---	---	---	---	---	---	---	---	---	---
Weikert	0-2	Channery Silt Loam	CL CL-ML SC SC-SM	A-4	0	1-3	65-80	50-75	45-75	35-65	21-31	6-11
	2-8	Very Channery Silt Loam	GC GC-GM	A-2-4	0	3-5	45-60	25-50	25-45	20-40	21-31	6-11
	8-14	Extremely Channery Silt Loam	GC GC-GM GW-GC	A-2-4	0	4-6	30-40	9-25	8-25	5-20	21-31	6-11
	14-18	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
5F:												
Holly	0-4	Loam	CL	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
			CL-ML									
	4-34	Loam	CL	A-4	0	0	80-100	75-100	65-100	45-95	23-39	7-16
		Silt Loam		A-6								
		Silty Clay Loam										
	34-62	Loam	CL	A-1	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
		Gravelly Sand	CL-ML	A-2-4								
		Silty Clay Loam	ML	A-4								
			SC									
			SC-SM									
			SP-SC									
Nicelytown	---				---	---	---	---	---	---	---	---
Rough	---				---	---	---	---	---	---	---	---
Shelocta	---				---	---	---	---	---	---	---	---
Tumbling	---				---	---	---	---	---	---	---	---

6E:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
6E: Berks	0-6	Channery Silt Loam	CL CL-ML ML SC SC-SM	A-4	0	3-5	65-80	55-75	50-75	40-65	16-31	3-11
	6-22	Channery Silty Clay Loam Very Channery Silt Loam Extremely Channery Loam	CL CL-ML GC GC-GM SC	A-1 A-2-4 A-4 A-6	0	3-8	45-80	25-75	20-75	15-70	16-36	3-14
	22-32	Very Channery Silty Clay Loam Extremely Channery Loam Very Channery Silt Loam	GC GC-GM SC	A-1 A-2-4 A-4 A-6	0	5-8	45-60	25-50	20-50	15-45	16-36	3-14
	32-38	Extremely Channery Silt Loam Very Channery Silt Loam Extremely Channery Loam	GC GC-GM GM	A-1 A-2-4	0	7-9	35-50	15-35	15-35	10-30	12-25	1-8
	38-42	Bedrock	---	---	---	---	---	---	---	---	---	---
Westmoreland	0-6	Silt Loam	CL CL-ML	A-4 A-6	0	1-5	85-95	80-95	70-95	55-85	18-31	4-11
	6-36	Channery Silty Clay Loam Silty Clay Loam Channery Silt Loam	CL SC	A-4 A-6	0	1-9	70-95	60-95	55-95	45-90	23-39	7-16
	36-54	Extremely Channery Silt Loam Very Channery Silty Clay Loam Very Channery Silt Loam	GW-GC	A-1 A-2-4 A-2-6 A-7-6	0	13-19	25-50	5-40	5-40	5-40	18-43	4-18
	54-58	Bedrock	---	---	---	---	---	---	---	---	---	---
Carbo	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
6E:												
Holly	0-4	Loam	CL	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
			CL-ML									
	4-34	Silt Loam	CL	A-4	0	0	80-100	75-100	65-100	45-95	23-39	7-16
		Silty Clay Loam		A-6								
	34-62	Loam	CL	A-1	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
		Silty Clay Loam	CL-ML	A-2-4								
		Gravelly Sand	ML	A-4								
			SC									
Oriskany	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---

6F:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
6F: Berks	0-6	Channery Silt Loam	CL CL-ML ML SC SC-SM	A-4	0	3-5	65-80	55-75	50-75	40-65	16-31	3-11
	6-22	Channery Silty Clay Loam Extremely Channery Loam Very Channery Silt Loam	CL CL-ML GC GC-GM SC	A-1 A-2-4 A-4 A-6	0	3-8	45-80	25-75	20-75	15-70	16-36	3-14
	22-32	Extremely Channery Loam Very Channery Silty Clay Loam Very Channery Silt Loam	GC GC-GM SC	A-1 A-2-4 A-4 A-6	0	5-8	45-60	25-50	20-50	15-45	16-36	3-14
	32-38	Extremely Channery Loam Very Channery Silt Loam Extremely Channery Silt Loam	GC GC-GM GM	A-1 A-2-4	0	7-9	35-50	15-35	15-35	10-30	12-25	1-8
	38-42	Bedrock	---	---	---	---	---	---	---	---	---	---
Westmoreland	0-6	Silt Loam	CL CL-ML	A-4 A-6	0	1-5	85-95	80-95	70-95	55-85	18-31	4-11
	6-36	Channery Silt Loam Channery Silty Clay Loam Silty Clay Loam	CL SC	A-4 A-6	0	1-9	70-95	60-95	55-95	45-90	23-39	7-16
	36-54	Very Channery Silty Clay Loam Extremely Channery Silt Loam Very Channery Silt Loam	GW-GC	A-1 A-2-4 A-2-6 A-7-6	0	13-19	25-50	5-40	5-40	5-40	18-43	4-18
	54-58	Bedrock	---	---	---	---	---	---	---	---	---	---
Carbo	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
6F:												
Holly	0-4	Loam	CL	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
			CL-ML									
	4-34	Silt Loam	CL	A-4	0	0	80-100	75-100	65-100	45-95	23-39	7-16
		Loam		A-6								
		Silty Clay Loam										
34-62		Loam	CL	A-1	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
		Gravelly Sand	CL-ML	A-2-4								
		Silty Clay Loam	ML	A-4								
			SC									
			SC-SM									
			SP-SC									
Oriskany	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
7F:												
Calvin	0-9	Loam	CL	A-4	0	2-3	85-95	80-90	65-85	45-70	16-30	3-11
			CL-ML									
			ML									
			SC									
			SC-SM									
9-25		Channery Loam	CL	A-2-4	0	12-18	55-75	40-70	35-70	25-60	16-30	3-11
		Very Channery Loam	CL-ML	A-4								
		Channery Silt Loam	SC									
			SC-SM									
25-30		Very Channery Loam	GC	A-1	0	22-33	40-65	20-55	15-55	10-50	16-30	3-11
		Very Channery Silt Loam	GC-GM	A-2-4								
		Extremely Channery Loam	GW-GC									
			SC									
			SC-SM									
30-34		Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
7F:												
Rough	0-2	Channery Loam	CL	A-2-4	0	3-5	60-80	50-75	45-70	30-55	18-31	4-11
			CL-ML	A-4								
	2-8	Very Channery Silt Loam	SC	A-1	0	8-11	45-60	30-55	25-50	15-45	18-31	4-11
		Very Channery Loam	SC-SM	A-2-4								
	8-10	Extremely Channery Loam	GC	A-1	0	15-20	25-40	5-35	5-30	5-25	18-31	4-11
		Very Channery Silt Loam	GC-GM	A-2-4								
	10-14	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Holly	0-4	Loam	CL	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
			CL-ML									
	4-34	Silty Clay Loam	CL	A-4	0	0	80-100	75-100	65-100	45-95	23-39	7-16
		Silt Loam		A-6								
		Loam										
	34-62	Loam	CL	A-1	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
		Silty Clay Loam	CL-ML	A-2-4								
		Gravelly Sand	ML	A-4								
			SC									
			SC-SM									
			SP-SC									
Oriskany	---				---	---	---	---	---	---	---	---
Ramsey	---				---	---	---	---	---	---	---	---
Westmoreland	---				---	---	---	---	---	---	---	---

8C:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
8C:												
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---
Beech Grove	0-4	Channery Silt Loam	CL	A-4	0	2-3	60-80	50-75	45-75	35-65	16-31	3-11
			CL-ML									
			SC									
	4-8	Bedrock	SC-SM		---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Frederick	---				---	---	---	---	---	---	---	---
Groseclose	---				---	---	---	---	---	---	---	---
Westmoreland	---				---	---	---	---	---	---	---	---
8D:												
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---
Beech Grove	0-4	Channery Silt Loam	CL	A-4	0	2-3	60-80	50-75	45-75	35-65	16-31	3-11
			CL-ML									
			SC									
	4-8	Bedrock	SC-SM		---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Frederick	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
8D:												
Groseclose	---				---	---	---	---	---	---	---	---
Westmoreland	---				---	---	---	---	---	---	---	---
8E:												
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---
Beech Grove	0-4	Channery Silt Loam	CL CL-ML SC SC-SM	A-4	0	2-3	60-80	50-75	45-75	35-65	16-31	3-11
	4-8	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Westmoreland	---				---	---	---	---	---	---	---	---
8F:												
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---
Beech Grove	0-4	Channery Silt Loam	CL CL-ML SC SC-SM	A-4	0	2-3	60-80	50-75	45-75	35-65	16-31	3-11
	4-8	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
8F:												
Westmoreland	---				---	---	---	---	---	---	---	---
9E:												
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---
Frederick	0-2	Silt Loam	CL	A-4	0	0-3	85-100	80-100	70-100	55-90	21-31	6-11
	2-8	Silty Clay Loam	CL-ML	A-6	0	0-3	85-100	80-100	75-100	65-95	31-43	11-18
	8-16	Clay Loam	CL	A-6	0	0-3	85-100	80-100	70-100	55-95	39-61	16-28
		Silty Clay Loam	CH	A-6	0	0-3	85-100	80-100	70-100	55-95	39-61	16-28
		Clay	CL	A-7								
			MH									
			ML									
	16-62	Silty Clay	CH	A-7	0	0-3	85-100	80-100	70-100	60-95	43-75	18-36
		Clay	CL									
			MH									
			ML									
Rock outcrop	---				---	---	---	---	---	---	---	---
Beech Grove	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
Opequon	---				---	---	---	---	---	---	---	---

10D:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
10D:												
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---
Frederick	0-2	Silt Loam	CL	A-4	0	0-3	85-100	80-100	70-100	55-90	21-31	6-11
			CL-ML	A-6								
	2-8	Silty Clay Loam	CL	A-6	0	0-3	85-100	80-100	75-100	65-95	31-43	11-18
				A-7-6								
	8-16	Clay Loam	CH	A-6	0	0-3	85-100	80-100	70-100	55-95	39-61	16-28
		Clay	CL	A-7								
		Silty Clay Loam	MH									
			ML									
	16-62	Silty Clay	CH	A-7	0	0-3	85-100	80-100	70-100	60-95	43-75	18-36
		Clay	CL									
			MH									
			ML									
Rock outcrop	---				---	---	---	---	---	---	---	---
Beech Grove	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
Opequon	---				---	---	---	---	---	---	---	---
11D:												
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
11D:												
Beech Grove	---				---	---	---	---	---	---	---	---
Frederick	---				---	---	---	---	---	---	---	---
Groseclose	---				---	---	---	---	---	---	---	---
11F:												
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Beech Grove	---				---	---	---	---	---	---	---	---
Frederick	---				---	---	---	---	---	---	---	---
Groseclose	---				---	---	---	---	---	---	---	---
12D:												
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Beech Grove	---				---	---	---	---	---	---	---	---
Frederick	---				---	---	---	---	---	---	---	---
Groseclose	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
12D:												
13A:												
Chagrin	0-6	Loam	CL CL-ML ML SC SC-SM	A-4	0	0-3	85-100	80-100	65-95	45-75	16-30	3-11
	6-42	Loam Sandy Clay Loam Silty Clay Loam Silt Loam	CL CL-ML SC SC-SM	A-2-4 A-6	0	0-3	85-100	80-100	65-100	30-95	23-39	7-16
	42-62	Silt Loam Loam Sandy Loam	CL CL-ML SC SC-SM	A-2-4 A-4	0	0-3	85-100	80-100	45-100	25-90	12-30	1-11
Holly	0-4	Loam	CL CL-ML	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
	4-34	Silt Loam Loam Silty Clay Loam	CL	A-4 A-6	0	0	80-100	75-100	65-100	45-95	23-39	7-16
	34-62	Loam Gravelly Sand Silty Clay Loam	CL CL-ML ML SC SC-SM SP-SC	A-1 A-2-4 A-4	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
Lobdell	---				---	---	---	---	---	---	---	---
Ogles	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
13A: Orrville	---				---	---	---	---	---	---	---	---
14C: Claiborne	0-4	Silt Loam	CL	A-4	0	0-3	90-100	85-100	80-100	60-90	21-31	6-11
			CL-ML	A-6								
	4-8	Silt Loam	CL	A-4	0	0-3	90-100	85-100	80-100	60-95	21-39	6-16
		Silty Clay Loam	CL-ML	A-6								
	8-27	Silty Clay Loam	CL	A-6	0	0-3	90-100	85-100	85-100	75-95	31-39	11-16
	27-80	Clay	CH	A-7	0	0-3	90-100	85-100	80-100	65-95	43-70	18-33
		Silty Clay	CL									
			MH									
			ML									
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
14D: Claiborne	0-4	Silt Loam	CL	A-4	0	0-3	90-100	85-100	80-100	60-90	21-31	6-11
			CL-ML	A-6								
	4-8	Silt Loam	CL	A-4	0	0-3	90-100	85-100	80-100	60-95	21-39	6-16
		Silty Clay Loam	CL-ML	A-6								
	8-27	Silty Clay Loam	CL	A-6	0	0-3	90-100	85-100	85-100	75-95	31-39	11-16
	27-80	Silty Clay	CH	A-7	0	0-3	90-100	85-100	80-100	65-95	43-70	18-33
		Clay	CL									
			MH									
			ML									
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
14E:												
Claiborne	0-4	Silt Loam	CL	A-4	0	0-3	90-100	85-100	80-100	60-90	21-31	6-11
			CL-ML	A-6								
	4-8	Silt Loam	CL	A-4	0	0-3	90-100	85-100	80-100	60-95	21-39	6-16
		Silty Clay Loam	CL-ML	A-6								
	8-27	Silty Clay Loam	CL	A-6	0	0-3	90-100	85-100	85-100	75-95	31-39	11-16
	27-80	Silty Clay	CH	A-7	0	0-3	90-100	85-100	80-100	65-95	43-70	18-33
		Clay	CL									
			MH									
			ML									
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
14F:												
Claiborne	0-4	Silt Loam	CL	A-4	0	0-3	90-100	85-100	80-100	60-90	21-31	6-11
			CL-ML	A-6								
	4-8	Silt Loam	CL	A-4	0	0-3	90-100	85-100	80-100	60-95	21-39	6-16
		Silty Clay Loam	CL-ML	A-6								
	8-27	Silty Clay Loam	CL	A-6	0	0-3	90-100	85-100	85-100	75-95	31-39	11-16
	27-80	Silty Clay	CH	A-7	0	0-3	90-100	85-100	80-100	65-95	43-70	18-33
		Clay	CL									
			MH									
			ML									
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---

15A:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
15A: Ebbing	0-14	Loam	CL CL-ML ML SC-SM	A-4	0	0-8	85-100	80-100	70-95	50-75	13-31	1-11
	14-45	Loam Gravelly Loam Clay Loam	CL CL-ML	A-6	0	0-7	65-100	55-100	45-100	35-80	23-39	7-16
	45-65	Clay Loam Gravelly Sandy Loam Loam	CL CL-ML	A-2-4 A-6	0	0-14	70-95	60-90	35-90	20-70	23-39	7-16
Maurertown	0-7	Silt Loam	CL	A-4	0	0	100	100	90-100	70-90	23-31	7-11
	7-65	Clay Loam	CH	A-7	0	0	100	100	90-100	70-95	39-61	16-28
		Clay	CL									
		Silty Clay Loam	MH ML									
Gladehill	---				---	---	---	---	---	---	---	---

16C:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
16C: Frederick	0-2	Gravelly Silt Loam	CL CL-ML ML SC SC-SM SM	A-4 A-6	0	0-7	65-80	55-75	50-75	40-65	13-31	1-11
	2-6	Gravelly Silty Clay Loam	CL SC	A-6 A-7-6	0	0-7	65-80	55-75	50-75	45-70	31-43	11-18
	6-13	Clay Loam Silty Clay Clay Silty Clay Loam	CH CL MH ML	A-6 A-7	0	0-3	85-100	80-100	70-100	55-95	39-61	16-28
	13-62	Silty Clay Clay	CH CL MH ML	A-7	0	0-3	85-100	80-100	70-100	60-95	43-75	18-36
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---

16D:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
16D: Frederick	0-2	Gravelly Silt Loam	CL CL-ML ML SC SC-SM SM	A-4 A-6	0	0-7	65-80	55-75	50-75	40-65	13-31	1-11
	2-6	Gravelly Silty Clay Loam	CL SC	A-6 A-7-6	0	0-7	65-80	55-75	50-75	45-70	31-43	11-18
	6-13	Clay Loam Silty Clay Silty Clay Loam Clay	CH CL MH ML	A-6 A-7	0	0-3	85-100	80-100	70-100	55-95	39-61	16-28
	13-62	Silty Clay Clay	CH CL MH ML	A-7	0	0-3	85-100	80-100	70-100	60-95	43-75	18-36
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---

17C:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
17C: Frederick	0-2	Gravelly Silt Loam	CL CL-ML ML SC SC-SM SM	A-4 A-6	0	0-7	65-80	55-75	50-75	40-65	13-31	1-11
	2-6	Gravelly Silty Clay Loam	CL SC	A-6 A-7-6	0	0-7	65-80	55-75	50-75	45-70	31-43	11-18
	6-13	Silty Clay Loam Clay Silty Clay Clay Loam	CH CL MH ML	A-6 A-7	0	0-3	85-100	80-100	70-100	55-95	39-61	16-28
	13-62	Silty Clay Clay	CH CL MH ML	A-7	0	0-3	85-100	80-100	70-100	60-95	43-75	18-36
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---

17D:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
17D: Frederick	0-2	Gravelly Silt Loam	CL CL-ML ML SC SC-SM SM	A-4 A-6	0	0-7	65-80	55-75	50-75	40-65	13-31	1-11
	2-6	Gravelly Silty Clay Loam	CL SC	A-6 A-7-6	0	0-7	65-80	55-75	50-75	45-70	31-43	11-18
	6-13	Silty Clay Loam Clay Loam Silty Clay Clay	CH CL MH ML	A-6 A-7	0	0-3	85-100	80-100	70-100	55-95	39-61	16-28
	13-62	Silty Clay Clay	CH CL MH ML	A-7	0	0-3	85-100	80-100	70-100	60-95	43-75	18-36
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---

18C:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
18C:												
Frederick	0-2	Silt Loam	CL	A-4	0	0-3	85-100	80-100	70-100	55-90	21-31	6-11
			CL-ML	A-6								
	2-8	Silty Clay Loam	CL	A-6	0	0-3	85-100	80-100	75-100	65-95	31-43	11-18
				A-7-6								
	8-16	Clay Loam	CH	A-6	0	0-3	85-100	80-100	70-100	55-95	39-61	16-28
		Silty Clay Loam	CL	A-7								
		Clay	MH									
			ML									
	16-62	Silty Clay	CH	A-7	0	0-3	85-100	80-100	70-100	60-95	43-75	18-36
		Clay	CL									
			MH									
			ML									
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
18D:												
Frederick	0-2	Silt Loam	CL	A-4	0	0-3	85-100	80-100	70-100	55-90	21-31	6-11
			CL-ML	A-6								
	2-8	Silty Clay Loam	CL	A-6	0	0-3	85-100	80-100	75-100	65-95	31-43	11-18
				A-7-6								
	8-16	Clay Loam	CH	A-6	0	0-3	85-100	80-100	70-100	55-95	39-61	16-28
		Silty Clay Loam	CL	A-7								
		Clay	MH									
			ML									
	16-62	Silty Clay	CH	A-7	0	0-3	85-100	80-100	70-100	60-95	43-75	18-36
		Clay	CL									
			MH									
			ML									
Carbo	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
18D:												
Marbie	---				---	---	---	---	---	---	---	---
19C:												
Frederick	0-2	Silt Loam	CL	A-4	0	0-3	85-100	80-100	70-100	55-90	21-31	6-11
			CL-ML	A-6								
	2-8	Silty Clay Loam	CL	A-6	0	0-3	85-100	80-100	75-100	65-95	31-43	11-18
				A-7-6								
	8-16	Clay	CH	A-6	0	0-3	85-100	80-100	70-100	55-95	39-61	16-28
		Clay Loam	CL	A-7								
		Silty Clay Loam	MH									
			ML									
	16-62	Silty Clay	CH	A-7	0	0-3	85-100	80-100	70-100	60-95	43-75	18-36
		Clay	CL									
			MH									
			ML									
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Beech Grove	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
Opequon	---				---	---	---	---	---	---	---	---

20D:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
20D:												
Gilpin	0-3	Silt Loam	CL	A-4	0	0-1	80-95	75-95	70-90	55-80	21-31	6-11
			CL-ML									
	3-7	Loam	CL	A-4	0	0-1	80-95	75-95	65-90	45-80	21-31	6-11
		Silt Loam	CL-ML									
	7-31	Channery Loam	CL	A-4	0	1-2	65-92	60-90	50-90	35-85	23-39	7-16
		Channery Silt Loam	SC	A-6								
		Silty Clay Loam										
	31-35	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Shelocta	---				---	---	---	---	---	---	---	---
Wallen	---				---	---	---	---	---	---	---	---
Weikert	---				---	---	---	---	---	---	---	---
21E:												
Gilpin	0-3	Silt Loam	CL	A-4	0	0-1	80-95	75-95	70-90	55-80	21-31	6-11
			CL-ML									
	3-7	Loam	CL	A-4	0	0-1	80-95	75-95	65-90	45-80	21-31	6-11
		Silt Loam	CL-ML									
	7-31	Silty Clay Loam	CL	A-4	0	1-2	65-92	60-90	50-90	35-85	23-39	7-16
		Channery Loam	SC	A-6								
		Channery Silt Loam										
	31-35	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
21E:												
Shelocta	0-3	Silt Loam	CL	A-4	0	0-1	80-95	75-95	65-95	50-85	16-30	3-11
			CL-ML									
			ML									
	3-55	Channery Silty Clay Loam	CL	A-2-4	0	0-2	50-90	40-90	30-90	25-85	23-39	7-16
		Silty Clay Loam		A-6								
		Very Gravelly Loam										
		Silt Loam										
		Gravelly Silty Clay Loam										
	55-70	Extremely Channery Silty Clay	CH	A-2-7	0	3-7	35-80	20-75	20-75	20-70	43-70	18-33
		Channery Clay	GC	A-7								
			GM									
			MH									
Holly	0-4	Loam	CL	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
			CL-ML									
	4-34	Loam	CL	A-4	0	0	80-100	75-100	65-100	45-95	23-39	7-16
		Silt Loam		A-6								
		Silty Clay Loam										
	34-62	Loam	CL	A-1	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
		Silty Clay Loam	CL-ML	A-2-4								
		Gravelly Sand	ML	A-4								
			SC									
			SC-SM									
			SP-SC									
Oriskany	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Wallen	---				---	---	---	---	---	---	---	---
Weikert	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
21E:												
21F:												
Gilpin	0-3	Silt Loam	CL	A-4	0	0-1	80-95	75-95	70-90	55-80	21-31	6-11
			CL-ML									
	3-7	Loam	CL	A-4	0	0-1	80-95	75-95	65-90	45-80	21-31	6-11
		Silt Loam	CL-ML									
	7-31	Channery Loam	CL	A-4	0	1-2	65-92	60-90	50-90	35-85	23-39	7-16
		Silty Clay Loam	SC	A-6								
		Channery Silt Loam										
	31-35	Bedrock	---	---	---	---	---	---	---	---	---	---
Shelocta	0-3	Silt Loam	CL	A-4	0	0-1	80-95	75-95	65-95	50-85	16-30	3-11
			CL-ML									
			ML									
	3-55	Silt Loam	CL	A-2-4	0	0-2	50-90	40-90	30-90	25-85	23-39	7-16
		Gravelly Silty Clay Loam		A-6								
		Channery Silty Clay Loam										
		Silty Clay Loam										
		Very Gravelly Loam										
	55-70	Channery Clay	CH	A-2-7	0	3-7	35-80	20-75	20-75	20-70	43-70	18-33
		Extremely Channery Silty Clay	GC	A-7								
			GM									
			MH									
Rock outcrop	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
21F:												
Holly	0-4	Loam	CL	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
			CL-ML									
	4-34	Silt Loam	CL	A-4	0	0	80-100	75-100	65-100	45-95	23-39	7-16
		Silty Clay Loam		A-6								
		Loam										
	34-62	Gravelly Sand	CL	A-1	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
		Silty Clay Loam	CL-ML	A-2-4								
		Loam	ML	A-4								
			SC									
			SC-SM									
			SP-SC									
Oriskany	---				---	---	---	---	---	---	---	---
Wallen	---				---	---	---	---	---	---	---	---
Weikert	---				---	---	---	---	---	---	---	---
22A:												
Gladehill	0-16	Sandy Loam	SC-SM	A-2-4	0	0-8	90-100	80-100	50-70	25-40	9-21	NP-6
				A-4								
	16-49	Loam	CL-ML	A-2-4	0	0-8	90-100	80-100	50-95	25-75	12-23	1-7
		Sandy Loam	ML	A-4								
		Coarse Sandy Loam	SC-SM									
	49-65	Loam	CL-ML	A-1	0	0-14	70-100	60-100	35-95	20-75	12-23	1-7
		Sandy Loam	SC-SM	A-2-4								
		Coarse Sandy Loam		A-4								
		Gravelly Coarse Sandy Loam										

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
22A:												
Holly	0-4	Loam	CL	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
			CL-ML									
	4-34	Loam	CL	A-4	0	0	80-100	75-100	65-100	45-95	23-39	7-16
		Silty Clay Loam		A-6								
		Silt Loam										
	34-62	Loam	CL	A-1	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
		Silty Clay Loam	CL-ML	A-2-4								
		Gravelly Sand	ML	A-4								
			SC									
			SC-SM									
			SP-SC									
Ebbing	---				---	---	---	---	---	---	---	---
Ogles	---				---	---	---	---	---	---	---	---
23D:												
Groseclose	0-10	Silty Clay Loam	CL	A-6	0	0	95-100	90-100	85-100	80-95	31-43	11-18
				A-7-6								
	10-33	Silty Clay Loam	CH	A-7	0	0	95-100	90-100	85-100	70-95	39-61	16-28
		Clay	CL									
			MH									
			ML									
	33-62	Channery Silt Loam	CL	A-4	0	0	65-100	55-100	50-100	35-95	21-43	6-18
		Silty Clay Loam	CL-ML	A-6								
			SC	A-7-6								
			SC-SM									
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
23D:												
Beech Grove	---				---	---	---	---	---	---	---	---
Berks	---				---	---	---	---	---	---	---	---
Nicelytown	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
24C:												
Groseclose	0-10	Silty Clay Loam	CL	A-6 A-7-6	0	0	95-100	90-100	85-100	80-95	31-43	11-18
	10-33	Clay Silty Clay Loam	CH CL MH ML	A-7	0	0	95-100	90-100	85-100	70-95	39-61	16-28
	33-62	Channery Silt Loam Silty Clay Loam	CL CL-ML SC SC-SM	A-4 A-6 A-7-6	0	0	65-100	55-100	50-100	35-95	21-43	6-18
Carbo	0-6	Silty Clay Loam	CL	A-6	0	0	90-100	85-100	80-100	70-95	31-40	11-18
	6-29	Clay	MH	A-7-5	0	0	80-100	75-100	70-100	55-95	61-79	28-38
	29-33	Bedrock	---	---	---	---	---	---	---	---	---	---
Beech Grove	---				---	---	---	---	---	---	---	---
Berks	---				---	---	---	---	---	---	---	---
Nicelytown	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
25A:												
Holly	0-4	Loam	CL CL-ML	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
	4-34	Silt Loam Silty Clay Loam Loam	CL	A-4 A-6	0	0	80-100	75-100	65-100	45-95	23-39	7-16
	34-62	Loam Silty Clay Loam Gravelly Sand	CL CL-ML ML SC SC-SM SP-SC	A-1 A-2-4 A-4	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
Chagrin	---				---	---	---	---	---	---	---	---
Lobdell	---				---	---	---	---	---	---	---	---
26E:												
Kaymine	0-4	Very Channery Silt Loam	CL CL-ML SC SC-SM	A-2-4 A-4	0-5	15-20	55-70	40-60	40-60	30-55	23-31	7-11
	4-28	Extremely Channery Loam Very Channery Silt Loam	CL CL-ML GC GC-GM SC SC-SM	A-2-4	0-5	15-35	40-70	20-60	20-60	15-55	23-31	7-11
	28-64	Very Flaggy Loam Very Flaggy Silt Loam Extremely Flaggy Loam	CL CL-ML SC SC-SM	A-2-4 A-4	5-30	10-35	55-80	40-80	35-80	25-70	23-31	7-11

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
26E:												
Holly	0-4	Loam	CL	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
			CL-ML									
	4-34	Loam	CL	A-4	0	0	80-100	75-100	65-100	45-95	23-39	7-16
		Silt Loam		A-6								
		Silty Clay Loam										
	34-62	Silty Clay Loam	CL	A-1	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
		Loam	CL-ML	A-2-4								
		Gravelly Sand	ML	A-4								
			SC									
			SC-SM									
			SP-SC									
Acid coal waste	---				---	---	---	---	---	---	---	---
27C:												
Lily	0-3	Loam	CL	A-4	0	0-8	85-100	80-100	70-95	50-75	12-25	1-8
			CL-ML									
			ML									
			SC-SM									
	3-7	Gravelly Sandy Loam	CL	A-2-4	0	0-7	85-100	75-100	45-95	25-75	12-25	1-8
		Loam	CL-ML	A-4								
			ML									
			SC									
			SC-SM									
	7-24	Clay Loam	CL	A-2-4	0	0-15	90-100	85-100	65-100	30-80	23-39	7-16
		Cobbly Loam	SC	A-6								
		Loam										
	24-28	Cobbly Sandy Loam	CL	A-2-4	0	0-25	75-100	65-100	40-95	20-75	21-39	6-16
		Loam	CL-ML	A-2-6								
			SC	A-6								
			SC-SM									
	28-32	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
27C:												
Oriskany	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Wallen	---				---	---	---	---	---	---	---	---
27D:												
Lily	0-3	Loam	CL	A-4	0	0-8	85-100	80-100	70-95	50-75	12-25	1-8
			CL-ML									
			ML									
			SC-SM									
	3-7	Loam	CL	A-2-4	0	0-7	85-100	75-100	45-95	25-75	12-25	1-8
		Gravelly Sandy Loam	CL-ML	A-4								
			ML									
			SC									
			SC-SM									
	7-24	Clay Loam	CL	A-2-4	0	0-15	90-100	85-100	65-100	30-80	23-39	7-16
		Cobbly Loam	SC	A-6								
		Loam										
	24-28	Cobbly Sandy Loam	CL	A-2-4	0	0-25	75-100	65-100	40-95	20-75	21-39	6-16
		Loam	CL-ML	A-2-6								
			SC	A-6								
			SC-SM									
	28-32	Bedrock	---	---	---	---	---	---	---	---	---	---
Oriskany	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Wallen	---				---	---	---	---	---	---	---	---

27E:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
27E: Lily	0-3	Loam	CL CL-ML ML SC-SM	A-4	0	0-8	85-100	80-100	70-95	50-75	12-25	1-8
	3-7	Loam Gravelly Sandy Loam	CL CL-ML ML SC SC-SM	A-2-4 A-4	0	0-7	85-100	75-100	45-95	25-75	12-25	1-8
	7-24	Cobbly Loam Loam Clay Loam	CL SC	A-2-4 A-6	0	0-15	90-100	85-100	65-100	30-80	23-39	7-16
	24-28	Loam Cobbly Sandy Loam	CL CL-ML SC SC-SM	A-2-4 A-2-6 A-6	0	0-25	75-100	65-100	40-95	20-75	21-39	6-16
	28-32	Bedrock	---	---	---	---	---	---	---	---	---	---
Oriskany	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Wallen	---				---	---	---	---	---	---	---	---
28A: Lobdell	0-8	Silt Loam	CL CL-ML	A-4	0	0	95-100	90-100	80-100	65-90	21-31	6-11
	8-48	Silt Loam Loam	CL SC	A-4	0	0	85-100	75-100	65-100	45-90	23-31	7-11
	48-62	Loam Silt Loam	CL SC	A-4	0	0	85-100	75-100	65-100	45-90	23-31	7-11

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
28A:												
Orrville	0-6	Loam	CL	A-4	0	0	95-100	90-100	80-95	55-75	21-31	6-11
			CL-ML									
	6-34	Silt Loam	CL	A-4	0	0	80-100	75-100	65-100	45-90	23-31	7-11
		Loam	SC									
	34-62	Silty Clay Loam	CL	A-2-4	0	0	75-100	65-100	40-100	20-95	23-34	7-13
		Loam	SC	A-4								
		Sandy Loam		A-6								
		Gravelly Sandy Loam										
Holly	0-4	Loam	CL	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
			CL-ML									
	4-34	Loam	CL	A-4	0	0	80-100	75-100	65-100	45-95	23-39	7-16
		Silt Loam		A-6								
		Silty Clay Loam										
	34-62	Loam	CL	A-1	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
		Silty Clay Loam	CL-ML	A-2-4								
		Gravelly Sand	ML	A-4								
			SC									
			SC-SM									
			SP-SC									
Chagrin	---				---	---	---	---	---	---	---	---
29A:												
Maurertown	0-7	Silt Loam	CL	A-4	0	0	100	100	90-100	70-90	23-31	7-11
	7-65	Silty Clay Loam	CH	A-7	0	0	100	100	90-100	70-95	39-61	16-28
		Clay	CL									
		Clay Loam	MH									
			ML									
Ebbing	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
29A: Nicelytown	---				---	---	---	---	---	---	---	---
30A: Mongle	0-9	Loam	CL CL-ML SC-SM	A-4	0	0-8	95-100	80-100	70-95	50-75	21-31	6-11
	9-20	Loam	CL	A-4	0	0-8	90-100	85-100	70-100	50-95	23-39	7-16
		Silty Clay Loam		A-6								
	20-65	Silty Clay Loam	CL	A-4	0	0-15	95-100	90-100	75-100	55-95	23-39	7-16
		Loam		A-6								
Maurertown	0-7	Silt Loam	CL	A-4	0	0	100	100	90-100	70-90	23-31	7-11
	7-65	Clay	CH	A-7	0	0	100	100	90-100	70-95	39-61	16-28
		Clay Loam	CL									
		Silty Clay Loam	MH ML									
Gladehill	---				---	---	---	---	---	---	---	---
Nicelytown	---				---	---	---	---	---	---	---	---
31B: Nicelytown	0-10	Silt Loam	CL CL-ML	A-4	0	0-3	85-100	80-100	70-100	55-90	21-31	6-11
	10-21	Loam	CL	A-4	0	0-7	65-100	55-100	50-95	35-75	21-31	6-11
		Gravelly Loam	CL-ML									
		Silt Loam	SC									
	21-62	Silty Clay Loam	SC-SM									
		Gravelly Clay Loam	CL	A-6	0	0-7	65-100	55-100	50-100	35-95	23-39	7-16
		Loam	SC									
		Gravelly Loam										

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
31B:												
Maurertown	0-7	Silt Loam	CL	A-4	0	0	100	100	90-100	70-90	23-31	7-11
	7-65	Clay Loam	CH	A-7	0	0	100	100	90-100	70-95	39-61	16-28
		Silty Clay Loam	CL									
		Clay	MH									
			ML									
Berks	---				---	---	---	---	---	---	---	---
Lobdell	---				---	---	---	---	---	---	---	---
Shottower	---				---	---	---	---	---	---	---	---
31C:												
Nicelytown	0-10	Silt Loam	CL	A-4	0	0-3	85-100	80-100	70-100	55-90	21-31	6-11
			CL-ML									
	10-21	Loam	CL	A-4	0	0-7	65-100	55-100	50-95	35-75	21-31	6-11
		Gravelly Loam	CL-ML									
		Silt Loam	SC									
			SC-SM									
	21-62	Gravelly Clay Loam	CL	A-6	0	0-7	65-100	55-100	50-100	35-95	23-39	7-16
		Silty Clay Loam	SC									
		Loam										
		Gravelly Loam										
Berks	---				---	---	---	---	---	---	---	---
Lobdell	---				---	---	---	---	---	---	---	---
Oriskany	---				---	---	---	---	---	---	---	---
Tumbling	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
31C:												
32A:												
Ogles	0-6	Very Stony Loam	CL-ML ML SC-SM	A-4	25-35	30-38	75-100	70-100	60-95	40-75	13-23	1-7
	6-10	Very Stony Loam Extremely Stony Loam	CL-ML ML SC-SM	A-1 A-4	25-50	30-55	50-100	35-100	30-95	20-75	13-23	1-7
	10-23	Very Stony Loam Extremely Stony Sandy Loam	CL-ML SC-SM	A-1 A-2-4	25-50	30-55	50-100	35-100	20-95	10-75	12-23	1-7
	23-65	Extremely Stony Loamy Sand Very Stony Sandy Loam	SC-SM	A-1 A-2-4	25-60	30-55	65-100	50-100	25-75	8-40	12-23	1-7
Holly	0-4	Loam	CL CL-ML	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
	4-34	Loam Silty Clay Loam Silt Loam	CL	A-4 A-6	0	0	80-100	75-100	65-100	45-95	23-39	7-16
	34-62	Gravelly Sand Loam Silty Clay Loam	CL CL-ML ML SC SC-SM SP-SC	A-1 A-2-4 A-4	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
Gladehill	---				---	---	---	---	---	---	---	---
Moderately well drained soils	---				---	---	---	---	---	---	---	---

33D:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
33D:												
Opequon	0-2	Silty Clay Loam	CL	A-6	0	0-2	85-100	80-100	75-100	65-95	31-43	11-18
	2-11	Gravelly Clay Clay	CH MH ML SC SM	A-7	0	0-5	65-100	55-100	50-100	45-95	43-79	18-38
	11-15	Extremely Gravelly Silty Clay Loam Extremely Gravelly Clay Clay	CH GC GM GP-GM MH	A-2-6 A-2-7 A-7	0	0-5	35-100	13-100	12-100	10-95	31-79	11-38
	15-19	Bedrock	---	---	---	---	---	---	---	---	---	---
Beech Grove	0-4	Channery Silt Loam	CL CL-ML SC SC-SM	A-4	0	2-3	60-80	50-75	45-75	35-65	16-31	3-11
	4-8	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Frederick	---				---	---	---	---	---	---	---	---
Groseclose	---				---	---	---	---	---	---	---	---
Watahala	---				---	---	---	---	---	---	---	---

33E:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
33E:												
Opequon	0-2	Silty Clay Loam	CL	A-6	0	0-2	85-100	80-100	75-100	65-95	31-43	11-18
	2-11	Clay	CH	A-7	0	0-5	65-100	55-100	50-100	45-95	43-79	18-38
		Gravelly Clay	MH									
			ML									
			SC									
			SM									
	11-15	Extremely Gravelly Clay	CH	A-2-6	0	0-5	35-100	13-100	12-100	10-95	31-79	11-38
		Clay	GC	A-2-7								
		Extremely Gravelly Silty Clay	GM	A-7								
		Loam	GP-GM									
			MH									
	15-19	Bedrock	---	---	---	---	---	---	---	---	---	---
Beech Grove	0-4	Channery Silt Loam	CL	A-4	0	2-3	60-80	50-75	45-75	35-65	16-31	3-11
			CL-ML									
			SC									
			SC-SM									
	4-8	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Frederick	---				---	---	---	---	---	---	---	---
Groseclose	---				---	---	---	---	---	---	---	---
Watahala	---				---	---	---	---	---	---	---	---

34B:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
34B: Oriskany	0-6	Very Cobbly Fine Sandy Loam	SC SC-SM SM	A-1 A-2-4	0-12	23-25	55-70	40-60	30-50	15-35	12-25	1-8
	6-17	Extremely Cobbly Sandy Loam Very Cobbly Fine Sandy Loam Very Gravelly Loam	SC SC-SM SM	A-1 A-2-4 A-4	0-12	23-30	55-70	35-60	20-55	10-45	13-31	1-11
	17-70	Very Gravelly Loam Very Cobbly Sandy Clay Loam Very Gravelly Clay Loam Extremely Stony Loam Very Cobbly Loam Very Cobbly Clay Loam	SC SC-SM	A-2-4 A-2-6 A-4 A-6	0-17	15-28	50-65	30-60	25-55	10-45	21-39	6-16
Nicelytown	---				---	---	---	---	---	---	---	---
Ogles	---				---	---	---	---	---	---	---	---

34C:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
34C:												
Oriskany	0-6	Very Cobbly Fine Sandy Loam	SC	A-1	0-12	23-25	55-70	40-60	30-50	15-35	12-25	1-8
			SC-SM	A-2-4								
			SM									
	6-17	Very Gravelly Loam	SC	A-1	0-12	23-30	55-70	35-60	20-55	10-45	13-31	1-11
		Extremely Cobbly Sandy Loam	SC-SM	A-2-4								
			SM	A-4								
		Very Cobbly Fine Sandy Loam										
	17-70	Very Cobbly Clay Loam	SC	A-2-4	0-17	15-28	50-65	30-60	25-55	10-45	21-39	6-16
		Very Gravelly Clay Loam	SC-SM	A-2-6								
		Very Cobbly Loam		A-4								
		Very Gravelly Loam		A-6								
		Very Cobbly Sandy Clay Loam										
		Extremely Stony Loam										
Nicelytown	---				---	---	---	---	---	---	---	---
Tumbling	---				---	---	---	---	---	---	---	---

34D:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
34D: Oriskany	0-6	Very Cobbly Fine Sandy Loam	SC SC-SM SM	A-1 A-2-4	0-12	23-25	55-70	40-60	30-50	15-35	12-25	1-8
	6-17	Very Gravelly Loam Extremely Cobbly Sandy Loam Very Cobbly Fine Sandy Loam	SC SC-SM SM	A-1 A-2-4 A-4	0-12	23-30	55-70	35-60	20-55	10-45	13-31	1-11
	17-70	Very Cobbly Clay Loam Very Cobbly Sandy Clay Loam Extremely Stony Loam Very Gravelly Clay Loam Very Gravelly Loam Very Cobbly Loam	SC SC-SM	A-2-4 A-2-6 A-4 A-6	0-17	15-28	50-65	30-60	25-55	10-45	21-39	6-16
Berks	---				---	---	---	---	---	---	---	---
Nicelytown	---				---	---	---	---	---	---	---	---
Tumbling	---				---	---	---	---	---	---	---	---

34E:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
34E:												
Oriskany	0-6	Very Cobbly Fine Sandy Loam	SC SC-SM SM	A-1 A-2-4	0-12	23-25	55-70	40-60	30-50	15-35	12-25	1-8
	6-17	Extremely Cobbly Sandy Loam Very Cobbly Fine Sandy Loam	SC SC-SM SM	A-1 A-2-4 A-4	0-12	23-30	55-70	35-60	20-55	10-45	13-31	1-11
	17-70	Very Gravelly Loam Extremely Stony Loam Very Gravelly Clay Loam Very Cobbly Sandy Clay Loam Very Cobbly Clay Loam Very Cobbly Loam Very Gravelly Loam	SC SC-SM	A-2-4 A-2-6 A-4 A-6	0-17	15-28	50-65	30-60	25-55	10-45	21-39	6-16
Berks	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Tumbling	---				---	---	---	---	---	---	---	---

35E:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
35E:												
Oriskany	0-8	Very Stony Fine Sandy Loam	SC	A-2-4	31-37	8-18	70-80	60-75	40-65	25-40	12-25	1-8
			SC-SM	A-4								
			SM									
	8-12	Extremely Stony Sandy Loam	SC	A-1	0-12	23-30	55-70	35-60	20-55	10-45	13-31	1-11
		Very Cobbly Fine Sandy Loam	SC-SM	A-2-4								
			SM	A-4								
		Very Gravelly Loam										
	12-70	Very Cobbly Clay Loam	SC	A-2-4	0-17	15-28	50-65	30-60	25-55	10-45	21-39	6-16
		Very Cobbly Sandy Clay Loam	SC-SM	A-2-6								
				A-4								
		Extremely Stony Loam		A-6								
		Very Gravelly Loam										
		Very Gravelly Clay Loam										
		Very Cobbly Loam										
Berks	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Tumbling	---				---	---	---	---	---	---	---	---
36:												
Quarry, limestone	---				---	---	---	---	---	---	---	---
Carbo	---				---	---	---	---	---	---	---	---
Udorthents	---				---	---	---	---	---	---	---	---
Water	---				---	---	---	---	---	---	---	---

37F:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
37F:												
Ramsey	0-5	Sandy Loam	SC-SM	A-2-4	0-2	0-3	90-100	80-100	50-70	25-40	12-21	1-6
	5-17	Gravelly Sandy Loam	CL-ML	A-2-4	0-3	0-4	65-95	55-90	30-85	15-70	12-23	1-7
		Sandy Loam	SC-SM									
	17-21	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Gilpin	---				---	---	---	---	---	---	---	---
Oriskany	---				---	---	---	---	---	---	---	---
38F:												
Rock outcrop	---				---	---	---	---	---	---	---	---
Beech Grove	0-4	Channery Silt Loam	CL CL-ML SC SC-SM	A-4	0	2-3	60-80	50-75	45-75	35-65	16-31	3-11
	4-8	Bedrock	---	---	---	---	---	---	---	---	---	---
Benthole	0-3	Gravelly Silt Loam	CL CL-ML SC SC-SM	A-4 A-6	0-7	0-7	70-85	58-72	52-72	41-65	21-36	4-16
	3-37	Very Gravelly Silty Clay Loam	CL GC	A-2-4 A-6	0-12	30-40	45-70	42-66	36-66	25-63	28-44	9-22
		Very Cobbly Silty Clay Loam	SC	A-7								
		Extremely Cobbly Loam										
	37-63	Extremely Stony Loam	CL	A-2-4	8-18	25-35	45-70	42-66	36-66	25-63	28-44	9-22
		Very Gravelly Silty Clay Loam	GC	A-6								
		Very Cobbly Silty Clay Loam	SC	A-7								

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
38F:												
Carbo	---				---	---	---	---	---	---	---	---
39C:												
Shottower	0-8	Loam	CL	A-4	0	0-8	85-100	80-100	70-95	50-75	16-25	5-9
			CL-ML									
	8-29	Gravelly Clay Loam	CL	A-6	0	0-7	65-100	55-100	50-100	40-95	31-49	13-22
		Clay	SC	A-7-6								
		Clay Loam										
	29-65	Clay	CL	A-6	0	0-7	65-100	55-100	50-100	40-95	31-49	13-22
		Gravelly Clay	SC	A-7-6								
		Gravelly Clay Loam										
Carbo	---				---	---	---	---	---	---	---	---
Ebbing	---				---	---	---	---	---	---	---	---
Nicelytown	---				---	---	---	---	---	---	---	---
40C:												

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
40C: Tumbling	0-6	Loam	CL CL-ML ML	A-4	0-8	0-8	95-100	90-100	75-95	55-75	13-25	2-9
	6-19	Clay Loam Clay Cobbly Clay Loam Silty Clay Loam	CL	A-6 A-7	0-7	0-36	90-100	90-100	80-100	60-95	31-42	13-18
	19-47	Cobbly Clay Silty Clay Loam Cobbly Clay Loam Clay	CL	A-6 A-7	0-7	0-36	90-100	90-100	80-100	60-95	31-42	13-18
	47-65	Cobbly Clay Loam Clay Silty Clay Loam Cobbly Clay	CL	A-6 A-7	0-7	0-36	90-100	90-100	80-100	60-95	31-42	13-18
Bailegap	---				---	---	---	---	---	---	---	---
Carbo	---				---	---	---	---	---	---	---	---
Gilpin	---				---	---	---	---	---	---	---	---
Nicelytown	---				---	---	---	---	---	---	---	---
Oriskany	---				---	---	---	---	---	---	---	---

40D:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
40D: Tumbling	0-6	Loam	CL CL-ML ML	A-4	0-8	0-8	95-100	90-100	75-95	55-75	13-25	2-9
	6-19	Clay Loam Clay Silty Clay Loam Cobbly Clay Loam	CL	A-6 A-7	0-7	0-36	90-100	90-100	80-100	60-95	31-42	13-18
	19-47	Cobbly Clay Silty Clay Loam Cobbly Clay Loam Clay	CL	A-6 A-7	0-7	0-36	90-100	90-100	80-100	60-95	31-42	13-18
	47-65	Silty Clay Loam Cobbly Clay Loam Cobbly Clay Clay	CL	A-6 A-7	0-7	0-36	90-100	90-100	80-100	60-95	31-42	13-18
Bailegap	---				---	---	---	---	---	---	---	---
Carbo	---				---	---	---	---	---	---	---	---
Gilpin	---				---	---	---	---	---	---	---	---
Nicelytown	---				---	---	---	---	---	---	---	---
Oriskany	---				---	---	---	---	---	---	---	---

40E:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
40E:												
Tumbling	0-6	Loam	CL	A-4	0-8	0-8	95-100	90-100	75-95	55-75	13-25	2-9
			CL-ML									
			ML									
	6-19	Clay	CL	A-6	0-7	0-36	90-100	90-100	80-100	60-95	31-42	13-18
		Cobbly Clay Loam		A-7								
		Clay Loam										
		Silty Clay Loam										
	19-47	Cobbly Clay Loam	CL	A-6	0-7	0-36	90-100	90-100	80-100	60-95	31-42	13-18
		Clay		A-7								
		Silty Clay Loam										
		Cobbly Clay										
	47-65	Cobbly Clay	CL	A-6	0-7	0-36	90-100	90-100	80-100	60-95	31-42	13-18
		Clay		A-7								
		Cobbly Clay Loam										
		Silty Clay Loam										
Bailegap	---				---	---	---	---	---	---	---	---
Carbo	---				---	---	---	---	---	---	---	---
Gilpin	---				---	---	---	---	---	---	---	---
Nicelytown	---				---	---	---	---	---	---	---	---
Oriskany	---				---	---	---	---	---	---	---	---
41E:												
Udorthents	0-79	Variable	---	---	---	---	---	---	---	---	---	---
Urban land	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
41E:												
Holly	0-4	Loam	CL CL-ML	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
	4-34	Silt Loam Loam Silty Clay Loam	CL	A-4 A-6	0	0	80-100	75-100	65-100	45-95	23-39	7-16
	34-62	Silty Clay Loam Gravelly Sand Loam	CL CL-ML ML SC SC-SM SP-SC	A-1 A-2-4 A-4	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
Frederick	---				---	---	---	---	---	---	---	---
Moderately well drained soils	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
42D:												
Wallen	0-7	Gravelly Loam	CL CL-ML SC SC-SM	A-4	0-3	0-4	65-80	55-75	45-70	35-55	15-25	2-8
	7-34	Very Gravelly Loam Extremely Gravelly Sandy Loam Gravelly Loam	GC-GM SC SC-SM	A-1 A-1-b A-2-4 A-4	0-6	0-11	45-60	25-50	15-50	5-40	15-25	2-8
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Bailegap	---				---	---	---	---	---	---	---	---
Gilpin	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
42D:												
Lily	---				---	---	---	---	---	---	---	---
Oriskany	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
42E:												
Wallen	0-7	Gravelly Loam	CL	A-4	0-3	0-4	65-80	55-75	45-70	35-55	15-25	2-8
			CL-ML									
			SC									
			SC-SM									
	7-34	Very Gravelly Loam	GC-GM	A-1	0-6	0-11	45-60	25-50	15-50	5-40	15-25	2-8
		Extremely Gravelly Sandy	SC	A-1-b								
		Loam	SC-SM	A-2-4								
		Gravelly Loam		A-4								
	34-38	Bedrock	---	---	---	---	---	---	---	---	---	---
Bailegap	---				---	---	---	---	---	---	---	---
Gilpin	---				---	---	---	---	---	---	---	---
Lily	---				---	---	---	---	---	---	---	---
Oriskany	---				---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---

43C:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
43C: Watahala	0-4	Gravelly Silt Loam	CL CL-ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-28	Silt Loam Very Gravelly Loam Gravelly Silt Loam	CL CL-ML SC SC-SM	A-2-4 A-4	0	0-7	55-85	45-80	35-80	25-70	16-31	3-11
	28-42	Gravelly Silty Clay Loam Very Gravelly Loam Silty Clay Loam	CL SC	A-2-4 A-6	0	0-7	55-85	45-80	35-80	25-75	23-39	7-16
	42-60	Silty Clay Gravelly Silty Clay Clay	CH MH ML SC SM	A-7	0	0-3	60-100	50-100	45-100	40-95	43-70	18-33
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
Opequon	---				---	---	---	---	---	---	---	---

43D:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
43D: Watahala	0-4	Gravelly Silt Loam	CL CL-ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-28	Silt Loam Very Gravelly Loam Gravelly Silt Loam	CL CL-ML SC SC-SM	A-2-4 A-4	0	0-7	55-85	45-80	35-80	25-70	16-31	3-11
	28-42	Very Gravelly Loam Silty Clay Loam Gravelly Silty Clay Loam	CL SC	A-2-4 A-6	0	0-7	55-85	45-80	35-80	25-75	23-39	7-16
	42-60	Clay Silty Clay Gravelly Silty Clay	CH MH ML SC SM	A-7	0	0-3	60-100	50-100	45-100	40-95	43-70	18-33
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
Opequon	---				---	---	---	---	---	---	---	---

43E:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
43E: Watahala	0-4	Gravelly Silt Loam	CL CL-ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-28	Gravelly Silt Loam Very Gravelly Loam Silt Loam	CL CL-ML SC SC-SM	A-2-4 A-4	0	0-7	55-85	45-80	35-80	25-70	16-31	3-11
	28-42	Gravelly Silty Clay Loam Very Gravelly Loam Silty Clay Loam	CL SC	A-2-4 A-6	0	0-7	55-85	45-80	35-80	25-75	23-39	7-16
	42-60	Gravelly Silty Clay Clay Silty Clay	CH MH ML SC SM	A-7	0	0-3	60-100	50-100	45-100	40-95	43-70	18-33
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
Opequon	---				---	---	---	---	---	---	---	---

43F:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
43F: Watahala	0-4	Gravelly Silt Loam	CL CL-ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-28	Gravelly Silt Loam Silt Loam Very Gravelly Loam	CL CL-ML SC SC-SM	A-2-4 A-4	0	0-7	55-85	45-80	35-80	25-70	16-31	3-11
	28-42	Gravelly Silty Clay Loam Silty Clay Loam Very Gravelly Loam	CL SC	A-2-4 A-6	0	0-7	55-85	45-80	35-80	25-75	23-39	7-16
	42-60	Clay Gravelly Silty Clay Silty Clay	CH MH ML SC SM	A-7	0	0-3	60-100	50-100	45-100	40-95	43-70	18-33
Carbo	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
Opequon	---				---	---	---	---	---	---	---	---

44E:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
44E: Watahala	0-4	Gravelly Silt Loam	CL CL-ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-28	Silt Loam Very Gravelly Loam Gravelly Silt Loam	CL CL-ML SC SC-SM	A-2-4 A-4	0	0-7	55-85	45-80	35-80	25-70	16-31	3-11
	28-42	Very Gravelly Loam Gravelly Silty Clay Loam Silty Clay Loam	CL SC	A-2-4 A-6	0	0-7	55-85	45-80	35-80	25-75	23-39	7-16
	42-60	Clay Silty Clay Gravelly Silty Clay	CH MH ML SC SM	A-7	0	0-3	60-100	50-100	45-100	40-95	43-70	18-33
Opequon	0-4	Gravelly Silt Loam	CL CL-ML ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-10	Gravelly Loam Gravelly Silt Loam	CL CL-ML ML SC SC-SM	A-4	0	0-7	65-80	55-75	45-70	35-65	16-31	3-11
	10-18	Clay Gravelly Clay	CH MH ML SC SM	A-7	0	0-7	70-100	60-100	50-100	45-95	43-79	18-38
	18-22	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
44E:												
Rock outcrop	---				---	---	---	---	---	---	---	---
Beech Grove	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
44F:												
Watahala	0-4	Gravelly Silt Loam	CL CL-ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-28	Silt Loam Gravelly Silt Loam Very Gravelly Loam	CL CL-ML SC SC-SM	A-2-4 A-4	0	0-7	55-85	45-80	35-80	25-70	16-31	3-11
	28-42	Very Gravelly Loam Silty Clay Loam Gravelly Silty Clay Loam	CL SC	A-2-4 A-6	0	0-7	55-85	45-80	35-80	25-75	23-39	7-16
	42-60	Clay Silty Clay Gravelly Silty Clay	CH MH ML SC SM	A-7	0	0-3	60-100	50-100	45-100	40-95	43-70	18-33

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
44F: Opequon	0-4	Gravelly Silt Loam	CL CL-ML ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-10	Gravelly Loam Gravelly Silt Loam	CL CL-ML ML SC SC-SM	A-4	0	0-7	65-80	55-75	45-70	35-65	16-31	3-11
	10-18	Gravelly Clay Clay	CH MH ML SC SM	A-7	0	0-7	70-100	60-100	50-100	45-95	43-79	18-38
	18-22	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Beech Grove	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---

45C:

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
45C: Watahala	0-4	Gravelly Silt Loam	CL CL-ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-28	Silt Loam Very Gravelly Loam Gravelly Silt Loam	CL CL-ML SC SC-SM	A-2-4 A-4	0	0-7	55-85	45-80	35-80	25-70	16-31	3-11
	28-42	Gravelly Silty Clay Loam Silty Clay Loam Very Gravelly Loam	CL SC	A-2-4 A-6	0	0-7	55-85	45-80	35-80	25-75	23-39	7-16
	42-60	Silty Clay Gravelly Silty Clay Clay	CH MH ML SC SM	A-7	0	0-3	60-100	50-100	45-100	40-95	43-70	18-33
Opequon	0-4	Gravelly Silt Loam	CL CL-ML ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-10	Gravelly Silt Loam Gravelly Loam	CL CL-ML ML SC SC-SM	A-4	0	0-7	65-80	55-75	45-70	35-65	16-31	3-11
	10-18	Clay Gravelly Clay	CH MH ML SC SM	A-7	0	0-7	70-100	60-100	50-100	45-95	43-79	18-38
	18-22	Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
45C:												
Rock outcrop	---				---	---	---	---	---	---	---	---
Beech Grove	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
45D:												
Watahala	0-4	Gravelly Silt Loam	CL CL-ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-28	Silt Loam Very Gravelly Loam Gravelly Silt Loam	CL CL-ML SC SC-SM	A-2-4 A-4	0	0-7	55-85	45-80	35-80	25-70	16-31	3-11
	28-42	Very Gravelly Loam Gravelly Silty Clay Loam Silty Clay Loam	CL SC	A-2-4 A-6	0	0-7	55-85	45-80	35-80	25-75	23-39	7-16
	42-60	Clay Gravelly Silty Clay Silty Clay	CH MH ML SC SM	A-7	0	0-3	60-100	50-100	45-100	40-95	43-70	18-33

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
45D: Opequon	0-4	Gravelly Silt Loam	CL CL-ML ML SC SC-SM	A-4	0	0-7	65-80	55-75	50-70	40-65	16-31	3-11
	4-10	Gravelly Silt Loam Gravelly Loam	CL CL-ML ML SC SC-SM	A-4	0	0-7	65-80	55-75	45-70	35-65	16-31	3-11
	10-18	Gravelly Clay Clay	CH MH ML SC SM	A-7	0	0-7	70-100	60-100	50-100	45-95	43-79	18-38
	18-22	Bedrock	---	---	---	---	---	---	---	---	---	---
Rock outcrop	---				---	---	---	---	---	---	---	---
Beech Grove	---				---	---	---	---	---	---	---	---
Marbie	---				---	---	---	---	---	---	---	---
47C: Wyrick	0-9	Silt Loam	CL CL-ML	A-4	0	0	80-100	80-100	70-100	55-90	21-31	6-11
	9-60	Clay Loam Silty Clay Loam Loam Silt Loam	CL	A-4 A-6	0	0	85-100	80-100	65-100	45-95	25-39	8-16

Table H. - Engineering Index Properties - Continued

Scott County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
47C:												
Marbie	0-6	Silt Loam	CL CL-ML	A-4	0	0	80-100	75-100	70-100	55-90	21-31	6-11
	6-36	Silty Clay Loam Silt Loam Loam	CL	A-4 A-6	0	0	80-100	80-100	65-100	45-95	25-39	8-16
	36-60	Silty Clay Loam Silt Loam Gravelly Loam	CL	A-6	0	0	65-100	55-100	50-100	35-95	25-39	8-16
	60-70	Clay Silty Clay Gravelly Clay Loam	CH MH ML	A-6 A-7	0	0	70-100	65-100	60-100	45-95	30-57	11-26
Holly	0-4	Loam	CL CL-ML	A-4	0	0	90-100	85-100	70-95	50-75	21-31	6-11
	4-34	Silt Loam Loam Silty Clay Loam	CL	A-4 A-6	0	0	80-100	75-100	65-100	45-95	23-39	7-16
	34-62	Silty Clay Loam Gravelly Sand Loam	CL CL-ML ML SC SC-SM SP-SC	A-1 A-2-4 A-4	0	0-8	75-100	65-100	35-100	5-95	12-43	1-18
Chagrin	---				---	---	---	---	---	---	---	---
Moderately deep soils	---				---	---	---	---	---	---	---	---
W:												
Water	---				---	---	---	---	---	---	---	---